

ANTIGEN ASSOCIATED WITH
TYPE I DIABETES MELLITUS

Abstract of the Disclosure

A 69 kD protein, designated PM-1, is expressed in human pancreatic islet cells and a human insulinoma. The amino acid sequence of the protein has been determined. Autoantibodies to the PM-1 protein have been found in sera of prediabetic patients. Natural, synthetic or recombinant forms of the PM-1 protein can be used in immunochemical assays to detect anti-PM-1-autoantibodies and to identify patients at risk of developing diabetes.